Joint Logistics Systems Center

FACT SHEET

Materiel Management

Product Definition Support System (PDSS)

Developed under the direction of the Joint Logistics Systems Center, the Product Definition Support System (PDSS) creates a total electronic Product Definition (PD) package to include required technical data, authorizations, breakout screening and automated funds certification. It will provide the electronic link between the logistics and procurement communities and will support electronic commerce and data interchange between government and commercial sectors.

FUNCTIONS

PDSS supports five major processes: Maintain Requirement, Develop PD Plan, Develop PD Package, Determine Method of Support, and Manage Workload. The functions of each process are:

- Maintain Requirement - PDSS receives buy requirements from Requirements Computation System (RCS) or some other authorized source. The system establishes a PD number and record, determines additional information required, and processes change requests.
- Develop PD Plan - The system determines PD package contents list, and identifies the office with primary PD package responsibility. It consolidates requirements based on business rules, and provides automated commitment of funds.
- Develop PD Package - PDSS facilitates the development of the Technical Information Package (TIP) to include all supporting information required and assembles the PD Package.
- Determine Method of Support - The user performs acquisition breakout screening to meet the requirement of DFARS, Appendix E.
- Manage Workload - PDSS facilitates workflow management functions for the PD business area.

CONTRIBUTING SYSTEMS

PDSS functionality was developed using the Navy's Integrated Technical Item Management and Procurement (ITIMP) system and the Air Force's J090A/B as the primary contributing systems.

Joint Logistics Systems Center

Point of Contact

Business Development Activity
Comm: (937) 255-3869
DSN 785-3869

1864 Fourth Street, Suite 1, Bldg 15
Wright-Patterson AFB OH 45433-7131

Development Contractors

BDM Engineering Services Company

Product Definition functionality from these systems and additional functionality identified by the Components in the PD Business Process Model will be contained in PDSS.

- Validated requirement is received into PDSS from authorized source.
- Cataloging data is reviewed for the item being procured.
- TIP is assembled using data from a variety of sources, including the EDL specifications from the Configuration Management Information System (CMIS), and drawings from JEDMICS (repository).
- Funding commitment is obtained from the financial system.
- Approved PD Package is forwarded to Procurement.
- Workflow utilities provides visibility of workload assignment and priorities monitoring.

PDSS will operate in a two-tiered architecture, with the database on the server and processing capabilities provided by client-server networks to the workstation tier. This provides distributed data to the users for optimal performance.

BENEFITS

Current DoD processes for assembling a PD package are accomplished using a variety of manual and automated systems. PDSS automates the processes and incorporates DoD's business rules and policies. This allows for automatic processing capabilities without user intervention, thus meeting the PDSS objective of significantly reducing costly Administrative Leadtime (ALT). The primary benefits provided by PDSS are:

- Electronic Product Definition package development.
- Support for electronic transmission of technical data and drawings to vendors via EC/EDI.
- Provides management visibility of workload assignment and priorities monitoring.
- Ability to customize business rules for specific sites.

These benefits will result in reduced inventory investment for the DoD.

SUMMARY

This system represents a joint development effort involving functional user representatives from DoD as well as system professionals from the development contractor. The PDSS system is based on advanced automation concepts and technologies, designed with user participation to ensure the final product meets the customer needs. This system and software documentation are available upon customer request.

Public Affairs
JLSC/CSS, Bldg. 15
1864 Fourth St., Ste 1
Wright-Patterson AFB OH 45433-7131
Comm: (937) 255-0336
DSN: 785-0336
FAX: (937) 656-4763
Internet http://www.jlsc.wpafb.af.mil/
(Current as of February 1997)